

ABSTRACT OF THE DISCLOSURE

In transmissions of each frame through
intermittent transmissions, by performing ultrasonic
wave transmissions while increasing a mechanical
5 function step by step, destructions of bubbles of a
contrast medium can be induced step by step according
to their different sizes. By generating ultrasonic
images using the destructions at the respective steps
as the sources of echoes, it is possible to provide
10 new ecological information including, for example,
information reflecting the dynamics of substances
smaller than the red blood cells, the distribution of
predatory cells, new diagnosis information, etc.